

Mail Stop Patent Application
Commissioner for Patents
PO Box 1450
Alexandria, VA 22313-1450

INFORMATION DISCLOSURE STATEMENT

This Information Disclosure Statement accompanies the new patent application submitted herewith of the following Inventors: John allen ROBINSON, Vedrana STOJANOVIC-SUSULIC, Philip BABIJ and Richard John MURRILLS;

For: A NOVEL PTH RESPONSIVE GENE.

1. Preliminary Statements

In accordance with 37 CFR 1.97 and 1.98, Applicants submit herewith patents, publications, or other information of which they are aware, which they believe may be material to the examination of this application and in respect of which there may be a duty to disclose in accordance with 37 CFR 1.56. This Information Disclosure Statement is not to be construed as a representation that: (i) a search has been made; (ii) the information is material to the examination of this application; (iii) additional information material to the examination of this application does not exist; (iv) the information, protocols, results and the like reported by third parties are accurate or enabling; or (v) the information constitutes prior art to the subject invention.

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No copy of the patents, publications or other information cited on the attached form PTO-1449 is enclosed because it has been previously cited by or submitted to the Office in a prior application which is relied upon for an earlier filing date under 35 USC 120. Prior application is Application Number _____ filed on _____ of _____ for _____.

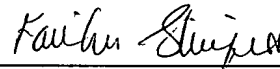
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I hereby certify that this paper and the documents referred to as enclosed therein are being deposited with the United States Postal Service on the date written below in an envelope as "Express Mail Post Office to Addressee" Mailing Label Number EV212533634US addressed to the Mail Stop Patent Application, Commissioner for Patents, PO Box 1450, Alexandria, VA 22313-1450.

November 10, 2003
Date

Paula L. Dickey
Paula L. Dickey

3. ☒ Newly Cited Information
A legible copy of the patents, publications or other information cited on the attached form PTO-1449 is enclosed, except that no copy of a pending U.S. application is enclosed.
4. ☐ Concise Explanation
Documents cited above which are not in the English Language
- a. ☐ have been explained in the specification.
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Substitute for form 1449/PTO INFORMATION DISCLOSURE STATEMENT BY APPLICANT (use as many sheets as necessary)			Complete if Known		
			Application Number	To Be Assigned	
			Filing Date		
			First Named Inventor	John Allen Robinson et al.	
			Group Art Unit		
			Examiner Name		
Sheet	1	of	2	Attorney Docket Number	AM100401

U.S. PATENT DOCUMENTS						
Examiner Initials*	Cite No.	U.S. Patent Document		Name of Patentee or Applicant of Cited Document	Date of Publication of Cited Document MM-DD-YYYY	Pages, Columns, Lines, Where Relevant Passages or Relevant Figures Appear
		Number (If known)	Kind Code (If Known)			
	1.	5,283,173		The Research Foundation of State University of New York	02-01-1994	
	2.	5,107,065		Calgene, Inc.	04-21-1992	
	3.	4,683,202		Cetus Corp.	07-28-1987	
	4.	5,231,020		DNA Plant Tech. Corp.	07-27-1993	

FOREIGN PATENT DOCUMENTS								
Examiner Initials*	Cite No.	Foreign Patent Document			Name of Patentee or Applicant of Cited document	Date of Publication of Cited Document MM-DD-YYYY	Pages, Columns, Lines, Where Relevant Passages or Relevant Figures Appear	T
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	6.	VORTKAMP et al., Science, 273, 613-622 (1996)		<input type="checkbox"/>
	7.	TASHJIAN et al., Journal of Bone & Mineral Research, 17(7), 1151-1161 (2002)		
	8.	MIERKE et al., Current Pharmaceutical Design, 5, 21-36 (1999)		
	9.	RAYNAL et al., Biochimica et Biophysica Acta, 1197, 63-93 (1994)		
	10.	COGHLAN et al., Science, 267, 108-111 (1995)		
	11.	SEREBRIISKII et al., BioTechniques, 30, 634-655 (2001)		
	12.	YOUNG, Biology of Reproduction, 58, 302-311 (1998)		
	13.	LORCH et al., J. Mol. Biol., 186, 821-824 (1985)		
	14.	JOHNSTON et al., Molecular & Cellular Biology, 4(8), 1440-1448 (1984)		
	15.	ZHANG et al., Nature, 364, 308-313 (1993)		
	16.	OHARA et al., Proc. Natl. Acad. Sci, USA, 86, 5673-5677 (1989)		
	17.	KEEGAN et al., Science, 231, 699-704 (1986)		
	18.	KALPANA et al., Science, 266, 2002-2006 (1994)		
	19.	LOH et al., Science, 243, 217-220 (1989)		
	20.	Biochemical Journal, 219, 345-373 (1984)		
	21.	JONES et al., The EMBO Journal, 4(10), 2411-2418 (1985)		
	22.	SELYE, Endocrinology, 16, 547-558 (1932)		
	23.	BAUER et al., Journal of Exp. Med., 49, 145-162 (1929)		
	24.	BURR et al., Journal of Bone & Mineral Research, 16(1), 157-165 (2001)		
	25.	SADOWSKI et al., Nature, 362, 79-83 (1993)		
	26.	BROMMAGE et al., The Journal of Clinical Endocrinology & Metabolism, 84(10), 3757-3763 (1999)		
	27.	LI et al., FASEB Journal, 7, 957-963 (1993)		
	28.	RADOMINSKA et al., Biochimica et Biophysica Acta, 1195, 63-70 (1994)		
	29.	SATO et al., Osteoporosis Int., 11, 871-880 (2000)		
	30.	COSMAN et al., Calcified Tissue Int., 62, 475-480 (1998)		
	31.	DEVEREUX et al., Nucleic Acids Research, 12(1), 387-395 (1984)		
	32.	CORNISH-BOWDEN, Nucleic Acids Research, 13(9), 3021-3030 (1985)		
	33.	DEMPSTER et al., Endocrine Reviews, 14(6), 690-709 (1993)		
	34.	CANALIS, The Journal of Clinical Investigation, 106(2), 177-179 (2000)		
	35.	NEER et al., The New England Journal of Medicine, 344(19), 1434-1441 (2001)		
	36.	JEROME et al., 28(2), 150-159 (2001)		
	37.	CLACKSON, Current Opinion in Chemical Biology, 1, 210-218 (1997)		

Examiner Signature		Date Considered	
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*EXAMINER: Initial if reference considered, whether or not citation is in conformance with MPEP 609. Draw line through citation if not in conformance and not considered. Include copy of this form with next communication to applicant.

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	38.	LEWANDOSKI, Nature Reviews Genetics, 2, 743-755 (2001)		
	39.	LANSKE, et al., The Journal of Clinical Investigation, 104(4), 399-407 (1999)		
	40.	MARTIN et al., J. Exp. Med., 182, 1545-1556 (1995)		
	41.	CHEN et al., Proc. Natl. Acad. Sci. USA, 88, 9578-9582 (1991)		
	42.	SATO et al., Proc. Natl. Acad. Sci. USA, 91, 9238-9242 (1994)		
	43.	HELPS et al., FEBS Letters, 340, 93-98 (1994)		
	44.	SPAARGAREN et al., Proc. Natl. Acad. Sci. USA, 91, 12609-12613 (1994)		
	45.	ELLEDGE et al., Proc. Natl. Acad. Sci. USA, 88, 1731-1735 (1991)		
	46.	FINLEY et al., Proc. Natl. Acad. Sci. USA, 91, 12980-12984 (1994)		
	47.	BRENT et al., Annu. Rev. Genet., 31, 663-704 (1997)		
	48.	ABRUZZESE et al., Molecular Therapy, 2(3), 276-287 (2000)		
	49.	CLACKSON, Current Opinion in Chemical Biology, 1, 210-218 (1997)		
	50.	LEWANDOSKI, Nature Reviews Genetics, 2, 743-755 (2001)		
	51.	WANG et al., Proc. Natl. Sci. USA, 91, 8180-8184 (1994)		
	52.	KELLENDONK et al., J. Mol. Biol., 285, 175-182 (1999)		
	53.	MINAMINO et al., Circ. Res., 88, 587-592 (2001)		
	54.	VOJTEK et al., Cell, 74, 204-214 (1993)		
	55.	HARPER et al., Cell, 75, 805-816 (1993)		
	56.	BRENT et al., Cell, 43, 729-736 (1985)		
	57.	DE ALMEIDA et al., Mol. Gen. Genet., 218, 78-86 (1989)		
	58.	SCHEDL et al., Cell, 14, 921-929 (1978)		
	59.	VAN NESS et al., Nucleic Acids Research, 19(19), 5143-5151 (1991)		
	60.	NAGY, Genesis, 26, 99-109 (2000)		
	61.	DURFEE et al., Genes & Development, 7, 555-569 (1993)		
	62.	PAETKAU et al., Genes & Development, 8, 2035-2045 (1994)		
	63.	MA et al., Cell, 48, 847-853 (1987)		
	64.	WANG et al., Nature Biotechnology, 15, 239-243 (1997)		
	65.	FRENKEL et al., Endocrinology, 138(5), 2109-2116 (1997)		
	66.	KHARODE et al., J. Bone Min. Res., Abstract SU365, S523 (1999)		
	67.	YEUNG et al., Genes & Development, 8, 2087-2109 (1994)		
	68.	LUBAN et al., 73, 1067-1078 (1993)		
	69.	ATSCHUL et al., Journal of Molecular Biology, 215, 403-410 (1990)		
	70.	ABRUZZESE et al., Human Gene Therapy, 10, 1499-1507 (1999)		
	71.	DELORT et al., Human Gene Therapy, 7, 809-820 (1996)		
	72.	GOLEMIS et al., Molecular & Cellular Biology, 12(7), 3006-3014 (1992)		
	73.	FIELDS et al., Trends Genetics, 10(8), 286-292 (1994)		
	74.	GIETZ et al., Molecular & Cellular Biochemistry, 172, 67-79 (1997)		
	75.	MASIUKIEWICZ et al., Aging Clin. Exp. Res., 10, 232-239 (1998)		

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